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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f Anount)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines; Where Relevant Passages or Relevant Figures Appear
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*****	CAREST SERVICES	"Power Measurement Basics," Agilent Technologies (3 pages).	
V.N		"Coplanar Waveguides Supported by InGaP and GaAs/AlGaAs Membrane-Like Bridges, http://www.elu.sav.sk/dept/oms/nato/md.html, May 8, 2003 (3 pages).	
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Substitute for form 1449/PTO Application Number 10/701,044 Filing Date November 4, 2003 INFORMATION DISCLOSURE **First Named Inventor** Michael G. Alderstein STATEMENT BY APPLICANT 2855- 2X58 Art Unit (Use as many shoots as necessary) Not Yet Assigned VIN Examiner Name Attorney Docket Number RTN2-153PUS

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Examiner Initiats*	Cite No.1	Document Number	Publication Date MM-DO-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
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V. N		DAVID M. POZAR, Design of Millimeter Wave Microstrip Reflect/mays, February 1997, pp. 287-298, Volume 45, No. 2.	
		S.D. Targonsid, ANALYSIS AND DESIGN OF A MICROSTRIP REFLECTARRAY USING PATCHES OF A VARIABLE SIZE, pp. 1820-1823, University of Massachusetts, Antherst, Massachusetts 01003.	
$\overline{\mathcal{U}_{\nu}}$		MAREK E. BIALKOWSKI, Design, Development, and Testing of X-Band Amplifying Reflectarrays, August 2002, pp. 1065-1076, Volume 50, No. 8.	
	· consumer	MAREK E. BIALKOWSKI, Qual Linearly Polarized Reflect Array Using Apenture Coupled Microstrip, Patches, 2001; pp.:486-489, FRL Leboratories, Mailbu, CA-90265.	
		Coptenar Waveguides Supported by InGap and GaAs/A1GaAs Membrane-Like Bridges, 2002, pp.1-3.	

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